XP00 2223984

- (C) WPI / DERWENT
AN - 1993-261876 [33]
AP - JP19910345412 19911226; [Previous Publ. JP5179208 ] ; JP19910345412 19911226
PR - JP19910345412 19911226
TI - Prepn. of double-sided self-adhesive tape - by coating release sheet with compsn. contg. alkyl acrylate, comonomer, polyfunctional oligo-acryalte] and photoinitiator, and irradiating at specified wavelength and intensity
IW - PREPARATION DOUBLE SIDE SELF ADHESIVE TAPE COATING RELEASE SHEET COMPOSITION CONTAIN ALKYL ACRYLATE COMONOMER POLYFUNCTIONAL OLIGO PHOTOINITIATOR IRRADIATE SPECIFIED WAVELENGTH INTENSITY
PA - (SONY ) SONY CHEM CORP
PN - JP2988549B2 B2 19991213 DW200004 C09J7/02 009pp
- JP5179208 A 19930720 DW199333 C09J7/00 010pp
IC - C09J7/00 ; C09J7/02
AB - J05179208 The tape is prepd. by applying a self-adhesive compsn. which contains (a) 4-14C alkyl acrylate ester; (b) monofunctional monomer copolymerisable with (a); (c) polyfunctional oligoacrylate having a molecular weight of higher than 300; and (d) photopolymerisation initiator, on a release sheet and irradiating the self-adhesive compsn. with ultraviolet ray which has an intensity of 50 to 120 mW/cm2 at wavelength of 365nm, to form a self-adhesive layer. (c) is added in 0.0001 to 0.002 mol pt. to 100 pts.wt. of (a)+(b).
- Pref. (d) is acetophenone or benzoin type and it is added in 0.1 to 0.5 pt.wt. to 100 pts.wt. of (a)+(b)+(c). The irradiation with ultraviolet ray is done in three or more steps in such a way that polymerisation ratio of monomers may be 40 to 70% in the 1st-step irradiation and that in the 2nd-step irradiation may be 70 to 90%.
- ADVANTAGE - The tape shows strong adhesion to curved or uneven surfaces and has good heat resistance. It is simply prepared at low cost. (Dwg.0/0)